

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-188877

(43)Date of publication of application : 08.07.1994

(51)Int.Cl.

H04L 9/06
H04L 9/14
G09C 1/00
H04B 7/26

(21)Application number : 04-267808

(71)Applicant : AMERICAN TELEPH & TELEGR
CO <ATT>

(22)Date of filing : 11.09.1992

(72)Inventor : REEDS III JAMES ALEXANDER

(30)Priority

Priority number : 91 750309 Priority date : 13.09.1991 Priority country : US

(54) ENCIPHERMENT SYSTEM

(57)Abstract:

PURPOSE: To provide a comparatively safe self-inversion and symmetrical key cipher system which can easily encipher and decode an original message of variable length by means of an 8-bit microcomputer in a cipher system of a cellular telephone system.

CONSTITUTION: This cipher system uses a comparatively safe self-inversion and symmetrical cipher system that effectively operates through an 8-bit microcomputer and can be applied to a cellular telephone system in particular and comprises the following following three steps. That is, (1) the automatic key encipherement (501), (2) the application of a cipher communication method of only one time using a key that is derived from a part of the message enciphered in the 1st step (502), and (3) the 2nd automatic key decoding that is inverse to the 1st step (503).

